

DIRECT TESTIMONY

OF

JEFFREY B. ARCHIE

ON BEHALF OF

SOUTH CAROLINA ELECTRIC & GAS COMPANY

DOCKET NO. 2003-002-E

**Q. PLEASE STATE YOUR NAME, BUSINESS ADDRESS, AND POSITION
WITHIN SOUTH CAROLINA ELECTRIC AND GAS COMPANY (SCE&G).**

A. My name is Jeffrey B. Archie. My business address is P.O. Box 88, Jenkinsville, South Carolina. I am employed by SCE&G as a General Manager and am currently the General Manager of Engineering Services at the Virgil C. Summer Nuclear Station (VCSNS).

Q. PLEASE DESCRIBE YOUR EDUCATIONAL BACKGROUND AND PROFESSIONAL EXPERIENCE.

A. I received a BS degree in Mechanical Engineering from the University of South Carolina in 1981. I also completed VC Summer's Senior Reactor Operator Certification training program in 1996.

As for my professional experience, my entire career has been spent at VC Summer Nuclear Station working in a number of different capacities. Some of the significant opportunities I have had during my career include my involvement with the Steam Generator Change-out Project from 1990 to 1995. During this major evolution, I worked as one of six Coordinators supporting the replacement of our Westinghouse D-3 Steam Generators. I served as the Station's Refuel 10 Outage Manager from 1996 to 1998. I

1 worked as the Manager of Planning and Scheduling from 1998 to 2001. In April 2001, I
2 was promoted to General Manager of Engineering Services.

3 **Q. WHAT IS THE PURPOSE OF YOUR TESTIMONY?**

4 A. The purpose of my testimony is to review the operating performance of the VCSNS
5 during the period from March 1, 2002 through February 28, 2003.

6 **Q. WHAT ARE YOUR OBJECTIVES IN THE OPERATION OF VCSNS?**

7 A. At VCSNS we strive for excellence in all phases of operation of the facility. Our primary
8 objectives are to operate the plant safely and reliably while producing electricity at a
9 competitive cost. Nuclear safety is always a major focus. We continuously meet or
10 exceed all Nuclear Regulatory Commission (NRC) requirements and Institute of Nuclear
11 Power Operations (INPO) standards. Our business objectives are focused on maintaining
12 a competitive production cost for the generation of electricity using nuclear fuel.

13 **Q. WHAT HAS BEEN THE COMPANY'S EXPERIENCE WITH THE**
14 **PERFORMANCE OF THE VCSNS?**

15 A. VCSNS has performed well during the period from March 1, 2002, through February 28,
16 2003. The Station's Capacity Factor during the review period was 99.2% and the gross
17 generation output was 7,683,880 MWs. This outstanding performance is the result of a
18 number of operational goals achieved during the review period, which included
19 excellence in Human Performance and Equipment Reliability.

20 **Q. WHEN WILL THE NEXT REFUELING OUTAGE OCCUR?**

21 A. The next refueling outage is planned for the period from October 17, 2003 to November
22 23, 2003.

23 **Q. WHAT IS YOUR CURRENT RANKING BY THE NRC AND INPO?**

1 A. INPO is a nonprofit corporation established by the nuclear industry to promote the
2 highest levels of nuclear safety and plant reliability. INPO promotes excellence in the
3 industry in the operation of nuclear electric generating plants. For the applicable
4 reporting period, INPO rated VCSNS's overall performance as exemplary; industry
5 standards of excellence were met in many areas; and no significant weaknesses were
6 identified.

7 VCSNS was also rated within the Licensee Response Column of the NRC's Action
8 Matrix, which denotes the NRC's most favorable rating level for a nuclear power plant.
9 This rating was based on all inspection findings being classified as having very low
10 safety significance and all Performance Indicators at a level requiring no additional NRC
11 oversight during the review period. Due to this rating, the NRC currently implements
12 only its baseline inspection program at VCSNS.

13 **Q. DOES THIS CONCLUDE YOUR DIRECT TESTIMONY?**

14 A. Yes.